

<b>INFORMATION DISCLOSURE CITATION</b> Form PTO-1449 (Modified) (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> ARC-14281-3	<b>SERIAL NO.</b> 10/637,087
	<b>APPLICANT</b> Man M. Rai and Nateri K. Madavan	
	<b>FILING DATE</b> 31 July 2003	<b>GROUP</b> 2129

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

**FOREIGN PATENT DOCUMENTS**

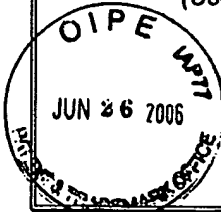
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No



**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

JH	Drela, M., "Elements of Airfoil Design Methodology," in <i>Applied Computational Aerodynamics Progress in Astronautics and Aeronautics</i> , Vol. 125, pp. 167-189, 1990. P. A. Henne, Ed.
JH	Volpe, G., "Inverse Airfoil Design: A Classical Approach Updated for Transonic Applications," in <i>Applied Computational Aerodynamics, Progress in Astronautics and Aeronautics</i> , Vol. 125, pp. 191-220, 1990. P. A. Henne, Ed.
JH	Jameson, A., "Optimum Aerodynamic Design Using CFD and Control Theory," AIAA Paper, No. 95-1729-CP, 1995.

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JH	Narducci, R., Grossman, B., and Haftka, R. T., "Sensitivity Algorithms for an Inverse Design Problem Involving a Shock Wave," Inverse Problems in Engineering, Vol. 2, pp. 49-83, 1995.		
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	Sanz, J.M., "Development of a Neural Network Design System for Advanced Turbo-Engines," Fourth U.S. National Congress on Computational Mechanics, August 7-8, 1997, San Francisco, California.		
↓	Rai, M. M., and Madavan, N. K., "Application of Artificial Neural Networks to the Design of Turbomachinery Airfoils," AIAA Paper No. 98-1003, AIAA 36 <sup>th</sup> Aerospace Sciences Meeting Reno, Nevada, January, 1998.		
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<b>JH</b> <div style="text-align: center;">  </div>	Pierret, S., and Van den Braembussche, R. A., "Turbomachinery Blade Design Using a Navier-Stokes Solver and Artificial Neural Network," <i>Journal of Turbomachinery</i> , Vol. 121, pp. 326-332, 1999.		
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